Amendments To The Claims.

1.-12. (canceled)

13. (currently amended) A method for image refining of digital x-ray images, comprising:

providing an image processing module;

supplying to the image processing module a parameter from a current parameter set;

displaying an associated model image for a standard parameter set by using a stored image data; ~~and~~

~~modifying the current parameter set without a user directly selecting the standard parameter set, the modifying performed in response to the user selecting the associated model image, wherein the selecting of the associated model image results in the modifying of the current parameter set~~

selecting at least some standard parameter sets from a plurality of available standard parameter sets; and

forming a current parameter set from the selected standard parameter sets,

wherein when a parameter set comprises a two-dimensional matrix of parameters p_{ij} (i,j = 1,2,3,...), then a current parameter set P^{akt} is formed of a linear combination of selected standard parameter sets $P^{Nr.l}$ (l = k_1,k_2,... with k_1,k_2,... ∈ 1,2,...,K) from the plurality of available standard parameter sets $P^{Nr.k}$ (k = 1,2,..., K), wherein said linear combination is defined by the following equation

$$p_{ij}^{akt} = \sum_{l} a_l \cdot p_{ij}^{Nr.l}$$

,wherein $p_{ij}^{Nr.l}$ represents a parameter p_{ij} in a selected standard parameter set $P^{Nr.l}$, wherein p_{ij}^{akt} represents a parameter p_{ij} in a current parameter set P^{akt}, wherein a summation defined by said equation extends through each of the selected standard parameter sets $P_{Nr.l}$ (l = k1,k2,...), where a_l represents a weighting factor of the selected standard parameter set $P^{Nr.l}$,

wherein each weighting factor a_l is a number whose value ranges from a value of zero to a value of one, and wherein a sum of all weighting factors a_l ($l = k1,k2, ...$) yields a value of 1.

14. (cancelled).

15. (cancelled).

16. (cancelled).

17. (currently amended) The method according to claim ~~14~~13, further comprising storing different parameter sets for different body organs to be examined.

18. (currently amended) The method according to claim ~~14~~13, further comprising storing different parameter sets for different acquisition projections.

19. (currently amended) The method according to claim ~~14~~13, further comprising storing different parameter sets for different generator settings.

20. (currently amended) An image refining unit adapted to modify an image data from an x-ray apparatus, comprising:

a memory;

a plurality of standard parameter sets stored in the memory;

at least some current parameter sets selected from the plurality of standard parameter sets;

an image data stored in the memory;

a module controlled by at least one parameter from the plurality of standard parameter sets; ~~and~~

an associated model image displayed for each of the plurality of standard parameter sets~~,~~ ; and

a combination module configured to ~~modify the current parameter set based on a parameter set indirectly selected by a user from the plurality of standard parameter sets in response to the user selecting the model image associated to the parameter set~~ calculate a current parameter set from a combination of the selected parameter sets, wherein when a parameter set comprises a two-dimensional matrix of parameters p_{ij} (i,j = 1,2,3,...), a current parameter set P^{akt} is formed of a linear combination of selected standard parameter sets $P^{Nr.l}$ ($l = k_1,k_2,...$ with $k_1,k_2,... \in 1,2,...,K$) from the plurality of standard parameter sets $P^{Nr.k}$ (k = 1,2,..., K), wherein said linear combination is defined by the following equation

$$p_{ij}^{akt} = \sum_{l} a_l \cdot p_{ij}^{Nr.l}$$

,wherein $p_{ij}^{Nr.l}$ represents a parameter p_{ij} in a selected standard parameter set $P^{Nr.l}$, wherein p_{ij}^{akt} represents a parameter p_{ij} in a current parameter set P^{akt}, wherein a summation defined by said equation extends through each of the selected standard parameter sets $P_{Nr.l}$ ($l = k1,k2,...$), where a_l represents a weighting factor of the selected standard parameter set $P^{Nr.l}$, wherein each weighting factor a_l is a number whose value ranges from a value of zero to a value of one, and wherein the sum of all weighting factors a_l ($l = k1,k2, ...$) yields a value of 1.

21- 24 (cancelled).

25. (new) The method according to claim 13, wherein when a parameter set comprises parameters $p_{ij}(x)$, where (x) represents a functional relationship for said parameters, then the linear combination is defined by the following equation

$$p_{ij}^{akt}(x) = \sum_{l} a_l \cdot p_{ij}^{Nr.l}(x).$$

26 (new) The image refining unit of claim 20, wherein when a parameter set comprises parameters $p_{ij}(x)$, where (x) represents a functional relationship for said parameters, then the linear combination is defined by the following equation

$$p_{ij}^{akt}(x) = \sum_{l} a_l \cdot p_{ij}^{Nr.l}(x).$$